

Ph.D.

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Syllabus for Entrance Examination
1	Group of Adult Education (GAE)	Adult Education-GAEH (883)	We insist that the student/candidates should have exposure, understanding and knowledge in wide ranging issues related to adult, continuing education and extension. The main thrust areas include 'Literacy studies' (e.g., basic literacy, adult literacy, digital literacy, financial literacy, consumer literacy, legal literacy, health family, media, citizenship literacy etc.), adult, lifelong education, vocational/skill education, sustainable livelihood education, entrepreneurship education and other related continuing education in India and abroad. Moreover, GAE focuses on problems of contemporary youth & their lifestyles; the impact of globalization and market practices on the local communities and society with special emphasis on consumer rights, movements and awareness. We try to enrol students who have interest do research in areas of formal/non-formal education, policy studies and practice in all these areas. GAE makes special efforts in enhancing learning, and improving professionalism among the students in social and education sectors to play constructive roles in nation-building.
2	Centre for Informal Sector & Labour Studies (CISL)	Informal Sector & Labour Studies- ISLH (884)	The test is intended to evaluate the candidate's general awareness in the following areas. The Ph.D programme focuses on interdisciplinary research on Indian informal sector and labour scenario. The programme encourages to work on themes such as–Political Economy of State, Development and Underdevelopment in the contemporary world, Labour History, Globalization and the changing forms of Labour, Global Production Systems, Informalisation in various sectors, Labour Market, Forms of Employment, Poverty, Migration, Urbanisation, Labour Rights and Regulation, Workers' Organizations and Politics, Trade Unions, Resistance, Peasant Production, Non-farm Economy, Agrarian Change and Rural Development, Political Economy of Care, Discrimination on the basis of Caste, Gender and Community, Common Property Resources, Public Policies in the Unorganised Sector, and Sustainable Development. The objective of the programme is to enable students to understand the linkages between the formal and the informal sectors and between theory and empirical investigations in research work.

5. SCHOOL OF ENVIRONMENTAL SCIENCES
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The pattern of JNUEE 2020-21 will be based on Multiple Choice Questions (MCQs) through Computer Based Test (CBT)

Master of Science

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Syllabus for Entrance Examination
1	School of Environmental Sciences (SES)	Environmental Sciences – SESM (223)	The questions will be of multiple choice type. The questions will be in two parts. Part I: This will have questions from the different areas of Science and Mathematics at the 10+2 level. Part II: This will have questions, in the areas of Physics, Chemistry, Mathematics, Geology, Botany and Zoology at the B.Sc. level.

M.Phil & Ph.D.

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Syllabus for Entrance Examination
1	School of Environmental Sciences (SES)	Research Area I- ONEP (153) & ONEH (885)	All questions would be of the multiple choice type. The questions will be divided into two parts: Part-A
2		Research Area II- TWOP (154) & TWOH (886)	This part will have questions on Research Methodology broadly covering the topics such as Judging the ability of Searching libraries, web-based information etc., Structuring of articles, referencing etc., Describing visual, audio or written images, Writing review of book/Report etc., importance of seminar/workshop/conference, General idea of plagiarism, Concept of logbook, workbook, field book etc., Names of journals, Important publishers, Site selection criteria, sample number criteria, sample storage methods, sample extraction and digestion methods, Mean, median, mode, standard deviation, standard error, correlation, time series, scatter plots, bars, line diagram, error bars, area plots, contours etc., Accuracy, precision, null hypothesis, errors, uncertainty, Knowledge about software: statistical, GIS and RS etc.
3		Research Area III- THRP (155) & THRH (887)	Part-B
4		Research Area IV- FORP (156) & FORH (888)	This part will have questions of M.Sc. level from Physics, Chemistry, Geology, Biology and Environmental Sciences.

6. SCHOOL OF COMPUTER & SYSTEMS SCIENCES

The pattern of JNUEE 2020-21 will be based on Multiple Choice Questions (MCQs) through Computer Based Test
(CBT)
MCA

Sl. No.	Name of Centre	Sub. Code & Sub. Code (Number)	Syllabus for Entrance Examination
1	School of Computer & Systems Sciences (SC&SS)	Master of Computer Applications- MCAM (224)	Syllabus: General aptitude, reasoning and 10+2 and Bachelor's level mathematics and Computer Science as per the topics specified as under: Maths: Differential and Integral Calculus, Vector Algebra, Trigonometry, 2D-3-D Geometry, Modern Algebra, Numerical Analysis, Probability & Statistics, Real Analysis, Theory of Real Function, Matrices and Determinants Computer Science: Digital Systems Design & Architecture, Programming Languages (C), Data structures, Discrete mathematics.